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(54) Title: NUCLEIC ACID MOLECULE CODING FOR BETA-AMYLASE, PLANTS SYNTHESIZING A MODIFIED STARCH, METHOD OF PRODUCTION AND APPLICATIONS

(54) Bezeichnung: NUKLEINSÄUREMOLEKÜLE KODIEREND FÜR BETA-AMYLASE, PFLANZEN, DIE EINE MODIFIZIERTE STÄRKE SYNTHETISIEREN, HERSTELLUNGSVERFAHREN UND VERWENDUNGEN

(57) Abstract

The present invention relates to nucleic acid molecules coding for a protein with beta-amylase activity from potato and to a method for the production of transgenic plant cells and plants synthesizing a modified starch. The invention also relates to vectors and host cells containing the nucleic acid molecules according to the invention, the plant cells and plants produced using the method according to the invention and the starch synthesized by the plant cells and plants according to the invention. The invention also relates to a method of production of said starch.

